

**Poster Schedule on 06/03/2025 Category CP1, CP2, CP3, CP4, CP5, MU**

S. No.	Reg. ID	Abstract Book ID	Name	Affiliation	Paper Category	Paper Title
1	185_1	CP-01-01	Dr. Pradeep K Gupta	RRCAT, Indore	CP1	Studies on ultrafast fiber oscillator-amplifier based on chirped fiber Bragg grating and volume Bragg grating
2	205_1	CP-01-02	Tatsat	BARC MUMBAI	CP1	Experimental and theoretical study of power distribution in a CW CO laser operating with a CO <sub>2</sub> laser Gas Mixture
3	260_1	CP-01-03	Rajeev Kumar Mishra	Raja Ramanna Centre for Advanced Technology	CP1	Development of high frequency (19 kHz), high voltage (21 kV) solid state pulse power supply for copper bromide laser
4	270_1	CP-01-04	Chandra Pal Singh	RRCAT Indore	CP1	Compact, portable and engineered ytterbium doped mode-locked fiber laser system with simultaneous picosecond and femtosecond pulsed output
5	282_1	CP-01-06	Bhuvnesh	RRCAT Indore	CP1	Aperiodic GHz rate optical pulses from ytterbium doped fiber oscillator
6	289_1	CP-01-07	AMARJEET SINGH	RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY	CP1	Generation of 5 W TEM <sub>00</sub> mode continuous-wave green laser beam at 532 nm by intracavity frequency doubling of diode end pumped Nd:YVO <sub>4</sub> /KTP laser
7	291_1	CP-01-08	Avdhesh Kumar	Raja Ramanna Centre for Advanced Technology, DAE	CP1	Development of all-fiber 2 kW Yb-doped CW fiber laser
8	325_1	CP-01-09	Sunil Kumar Sharma	RRCAT	CP1	Development of 2 kW average power long pulse Nd:YAG laser
9	327_1	CP-01-10	Usha Chakravarty	Raja Ramanna Center for Advanced Technology	CP1	Development of 1 J pulse energy all-fiber Quasi-CW fiber laser
10	447_1	CP-01-11	Dr. R. C. Das	BARC	CP1	Modelling of OSGOOD CW CO Laser
11	622_1	CP-01-12	satish sahu	RRCAT INDORE	CP1	Experimental studies on diode end pumped AO Q-switched Yb:KGW laser
12	765_1	CP-01-13	Lal Bahadur Rana	RRCAT	CP1	Design and development of mechanical system for CO <sub>2</sub> laser assisted cutting and sealing of tritium filled glass tube at above atmospheric pressure
13	792_1	CP-01-14	JITENDRA KUMAR SONI	RRCAT	CP1	Development and study of diode end-pumped passively Q-switched Nd:GdVO <sub>4</sub> laser
14	901_1	CP-01-15	AVANTIKA GAUTAM	RRCAT, Indore	CP1	Testing of Noble metal reducible oxide catalyst coated on internal diameter of glass tube
15	957_1	CP-01-16	Hitesh Choudhary	RRCAT Indore	CP1	Development and testing of low jitter high voltage power supplies for copper vapour laser applications
16	1197_1	CP-01-17	Anirban Ghosh	Physical research Laboratory Ahmedabad	CP1	High repetition rate mid-IR coherent radiation through 1064 nm CW pumped OPA, injection seeded with Multi-gigahertz OPO
17	1231_1	CP-01-18	Abhik Kumar Biswas	Optical Design & Development Lab, High Energy Laser & Optics Section, Raja Ramanna Centre for Advanced Technology, Indores	CP1	Bowl-feed chemical-mechanical-polishing of large flat super-smooth fused silica substrates for developing high damage threshold Nd: glass laser optics
18	1434_1	CP-01-19	Soorej Thekkeyil	Indian Institute of Technology Delhi	CP1	Large mode area bend compensated ARC fiber for high-power laser applications
19	1435_1	CP-01-20	Rajneesh Fulara	IIT Ropar	CP1	Dynamics of topological defects in 1D coupled laser array

20	1438_1	CP-01-21	Aditya Narayana Jena	Department of Physics, Indian Institute of Technology Ropar, Rupnagar	CP1	Asymmetric vortex beam formation using discrete optical vortices
21	1441_1	CP-01-22	Meenu Rani	Indian Institute of Technology Ropar	CP1	Laser-induced liquid jets in binary mixtures
22	1461_1	CP-01-23	Dipen M. Vachhani	RRCAT, Indore	CP1	Development of 380 V, 1.5 kW, power factor corrected active rectifier for low-harmonic AC-DC stage of laser power supplies
23	1475_1	CP-01-24	Debasis Pal	CSIR-CGCRI	CP1	Linewidth narrowing in thulium fiber laser using dynamic population gratings
24	1476_1	CP-01-25	SHIVAM TIWARI	RRCAT Indore	CP1	Development of a large aperture multi-pass multi-disc Nd:glass amplifier for high energy laser
25	1487_1	CP-01-26	Nisha M	Raja Ramanna Centre for Advanced Technology, Indore	CP1	Effect of resonator length on the output characteristics and beam quality of a high power lamp-pumped pulsed Nd:YAG laser
26	1494_1	CP-01-27	Nikita Sharma	RRCAT, Indore	CP1	Development of monolithic 1 kW single mode Yb-doped CW fiber laser using 975 nm pumping wavelength
27	1508_1	CP-01-28	Venus	RRCAT	CP1	Innovative bonding and packaging solutions with performance analysis of high-power semiconductor laser diodes
28	296_1	CP-02-01	mahendra kumar bairwa	RRCAT	CP2	Development of in-situ laser cutting process for 25 mm thick Inconel-600 material for nuclear field applications
29	1493_1	CP-02-02	Ajay Panthri	Raja Ramanna Centre for Advanced Technology	CP2	Development of nozzle of SS 316 L(N) on thick SS 316 L (N) tube steel using LAM-DED Process
30	1522_1	CP-02-03	Shamsunder Govindram Batheja	R&D Centre, Tarapur, NPCIL	CP2	Development of tool for laser cutting of feeder in Indian PHWRs
31	319_1	CP-03-01	Y PAVAN KUMAR	RAJA RAMANNA CENTER FOR ADVANCED TECHNOLOGY	CP3	Simple technique for quick estimation of refractive index of laser optical materials using principle of refraction and software
32	323_1	CP-03-02	Alka	RRCAT	CP3	Synthesis and characterization of Mn:Mg <sub>2</sub> GeO <sub>4</sub> nanoparticles dispersed PMMA composite samples for X-ray beam position monitoring applications
33	328_1	CP-03-03	ASHISH SINGH BAIS	SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE	CP3	Evaluation of the performance of photonic crystal based waveguide filters
34	347_1	CP-03-04	Sanjiv Kumar Tiwari	Raja Ramanna Centre for Advanced Technology, Indore	CP3	Development of a funnel-shaped hollow pyramidal mirror for cold atom applications
35	726_1	CP-03-05	Asmita Malik	RRCAT	CP3	Experimental verification of mixing homogeneity of 20 litre semi-continuous Nd:Phosphate laser glass melting facility using glycerine as a proxy for molten glass
36	776_1	CP-03-06	SUSHIL KUMAR PATHAK	RRCAT, Indore	CP3	Optical properties of Nd-based glass-ceramic for high energy laser application
37	782_1	CP-03-07	MOHAMMAD SOHARAB	Raja Ramanna Centre for Advanced Technology, Indore	CP3	Growth and optical investigation of [001]-oriented Tm doped GdVO <sub>4</sub> single crystal: A promising laser gain medium for 2.0 μm
38	851_1	CP-03-08	Chandrachur Mukherjee	HELOD, RRCAT	CP3	Development of large aperture high reflection mirrors with high damage threshold for ultrashort pulse Ti:Sapphire lasers
39	909_1	CP-03-09	Anjan Pal	RRCAT	CP3	Synthesis and characterization of ZnGa <sub>2</sub> O <sub>4</sub> :Cr <sup>3+</sup> NIR emitting persistent luminescent phosphor

40	935_3	CP-03-10	Rishipal Singh	Raja Ramanna Centre for Advanced Technology, Indore	CP3	Establishment of double side polishing technique for polishing large size Neodymium glass laser slabs for high energy laser
41	1153_2	CP-03-11	Ajith Kumar M	THE NEW COLLEGE	CP3	In situ Synthesis, structurally engineered and characterization of m-SiO <sub>2</sub> /rGO/SnO <sub>2</sub> nanocomposites for high-efficiency, durable and multifunctional anti-reflective coatings
42	1227_1	CP-03-12	Shruti Pankaj Sharma	Indian Institute of Technology Indore	CP3	Dual additive assisted Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> antireflection coatings with high laser induced damage threshold
43	1327_1	CP-03-13	DHEERAJ KUMAR	IIT DELHI	CP3	Thermally stable laser driven phosphor converted efficient solid state lighting
44	1468_1	CP-03-14	Madhuri Soni	Sgsits	CP3	Structural and optical properties on Ca doped BaTiO <sub>3</sub>
45	1496_1	CP-03-15	Deepesh Nimje	Raja Ramanna Centre for Advanced Technology, Indore	CP3	Structural, optical and laser damage properties of single and multilayers oxide coatings deposited by dual ion beam sputtering system for high power semiconductor laser diode applications deposited
46	1509_1	CP-03-16	SANJIB KARMAKAR	Raja Ramanna Centre for Advanced Technology	CP3	Effect of particle size distribution on optical property of Cr-doped alumina ceramic
47	226_1	CP-04-01	Kavish	Raja Ramanna Centre for Advanced Technology, Indore	CP4	Improvement in sensitivity of atomic fountain based cold atom gravimeter
48	237_1	CP-04-02	NIKHIL P P	NIT Calicut	CP4	Tunable passive optical diode action from PEDOT:PSS/DBR heterostructure
49	302_1	CP-04-03	Mukund Kumar	Raja Ramanna Centre for Advanced Technology	CP4	Observation of Cooper minimum in high-harmonic spectra generated in argon filled gas cell
50	534_1	CP-04-04	P.Mohanraj	Department of physics, Pondicherry University, Puducherry, India	CP4	Influence of nonlinear traditional saturation effects on modulational instability of solitons in bi-negative index and one conventional material based coupler system
51	822_1	CP-04-05	Subhajt Supakar	Raja Ramanna Centre for Advanced Technology	CP4	A comparative study of normal and blazed gratings for compact magneto-optical trap
52	1181_1	CP-04-06	Love Kumar Sharma	Indian Institute of Technology Ropar	CP4	Spatiotemporal soliton and its characteristics in a graded index multimode fiber
53	1211_1	CP-04-07	PUJA SHARMA	Central University of Jharkhand	CP4	Switching behaviour of 2D Photonic crystal ring resonator for all optical logic gates
54	1242_1	CP-04-08	VIJAY KUMAR	Raja Ramanna Centre for Advanced Technology	CP4	Damping in Rabi-oscillations driven by two-photon Raman transition
55	1272_2	CP-04-09	Salahuddin khan	RRCAT	CP4	Quantum coherence in MoS <sub>2</sub> monolayers using polarization-resolved photoluminescence
56	1280_1	CP-04-10	Dr. Romita Chouhan	Shri Govindram Seksaria Institute of Technology and Science, Indore, Madhya Pradesh	CP4	The role of annealing temperature on the nonlinear optical properties of NiO thin film
57	1410_1	CP-04-11	DINESH BABU K	PONDICHERRY UNIVERSITY	CP4	Intensity dependent third order nonlinear optical properties of 2-nitroaniline using top hat beam Z-scan technique
58	1414_1	CP-04-12	Dr. Prashant Povel Dwivedi	Manipal University Jaipur, Jaipur	CP4	Electro-optical impact on optical parametric oscillator in three segmented quasi-phase matching devices
59	1421_1	CP-04-13	Ritwik Dhara	IISER Kolkata	CP4	Joint weak value detection in classical optics
60	1447_1	CP-04-14	Dr. Shrabana Chakrabarti	Sister Nivedita University	CP4	Polariton quantum memory in a solid-state doped crystal
61	1456_1	CP-04-15	Sankalp Shandilya	RRCAT	CP4	Monte Carlo studies on optical dipole trap loading for trapping low number of atoms

62	1460_1	CP-04-16	Vishakha Shaw	Sister Nivedita University	CP4	All optical magnetometer using coherent optical effects
63	841_1	CP-05-01	Anshuman Nigam	Raja Ramanna Centre for Advance Technology	CP5	Self-starting of Mamyshev oscillator with an optical beam shutter
64	1430_2	CP-05-02	Bhanupratap	TIFR-H, INDIA	CP5	Efficient, high-power, high repetition rate picosecond optical parametric oscillator based on MgO:PPLN
65	1479_1	MU-01	Malyaj Das	Medi-Caps University, Indore	MU	Design and development of seed adulteration detection method using laser light
66	1478_1	MU-02	Rupali Joshi	Medi-Caps University, Indore	MU	Laser-driven Raman studies of spinel chromite materials: Spin phonon coupling
67	1485_1	MU-03	Ujjwal Mahajan	Medi-Caps University, Indore	MU	Harnessing laser technology for advanced fabrication in dye-sensitized solar cells
68	1477_1	MU-04	Priya yadav	Medi-caps university	MU	Laser induced phase transition in transition metal chromites: Identification by different techniques at low temperature
69	1486_2	MU-05	Aarti Pathak	Medi-Caps University	MU	Photocatalytic degradation of toxicants using laser light: Advances, mechanisms, and future perspectives